

SUMMARY OF ENGINEERING RECOMMENDATIONS
2018 Saint Paul Streets Project

Report Prepared 2-27-2018
Public Hearing 4-18-2018

PROGRAM

This project will improve the area referred to as the **Wheelock Parkway: Danforth Street to Arlington Avenue (SPS)** project. See the attached project area map.

Improvements to be made as part of the project include constructing new bituminous surfaced streets with concrete curb and gutter, concrete driveway aprons, bituminous path and boulevards landscaped with sod and trees. Sidewalks will be added where appropriate and will improve public safety by eliminating tripping hazards and pooling water. The existing wood pole lights will be replaced with lantern style lights as part of the project. In addition, appropriate sanitary sewer repairs will be made, and storm and sanitary sewer reconnections will be made at the request of property owners.

EXISTING CONDITIONS

Wheelock Parkway was last constructed in 1923 and 1924. Numerous repairs and overlays have occurred since then.

The current Pavement Condition Index (PCI) ranges from 9 to 36 (on a scale of 100).

Wheelock is generally 30' wide. The area has existing street lights mounted on wood poles. There is no bituminous path along Wheelock Parkway from Danforth to Arlington.

PROPOSED IMPROVEMENTS

It is proposed to improve Wheelock Parkway with the construction of a new bituminous surface street with concrete curb and gutter, concrete driveway aprons, and boulevards landscaped with sod and trees. Mainline sidewalk will be reconstructed where appropriate. A bituminous path will be constructed for the length of the project. In addition, appropriate sanitary sewer repairs will be made, and storm sewer and sanitary sewer connections will be made at the request of property owners. Existing water main will be replaced where necessary.

The roadway will be 24' wide with a 5' concrete sidewalk on each side and a 10' bituminous path in the south boulevard.

New lantern style street lighting system will be installed. The lights mounted on wood

poles will be removed.

As part of this project, special attention will be paid to bringing the existing pedestrian ramps up to current ADA standards and City design standards.

Public art will be included in the project, following the procedures developed for street projects. Funding for public art is 1% of eligible project funds, in this case Street Reconstruction Bonds, as determined by the Office of Financial Services per the City's Public Art Ordinance.

ALTERNATES

To do nothing would be inconsistent with the City's commitment to improve existing oiled and older paved streets along with bicycle and pedestrian movement.

POSITIVE BENEFITS

General improvement of the public right-of-way will enhance and add quality to the neighborhood. The newly rebuilt roadway will improve drivability of the neighborhood, and continue the City's efforts to improve the street system in Saint Paul. Lantern style lighting will enhance neighborhood safety and esthetics. The newly reconstructed sidewalks and bituminous path will improve bicycle and pedestrian movement.

ADVERSE EFFECTS

Normal problems associated with construction such as noise, dust, reduced access to the neighborhood, and general disruption will be present.

EFFECTS ON TREES

Boulevard trees will be impacted by this construction. We will try to keep the impact to trees to a minimum. New trees will be planted where there is sufficient space as part of the boulevard restoration following the City's master tree planting plan.

TIME SCHEDULE

The project will begin in the spring of 2018 and will be completed by the fall of 2018.

COST ESTIMATE

Construction	\$ 4,160,000
Engineering	\$ <u>1,040,000</u>

PROJECT TOTAL **\$ 5,200,000**

ESTIMATED FINANCING

Street Reconstruction Bonds	\$ 4,500,000
SPRWS	\$ 630,000
Major sewer Repairs	\$ <u>70,000</u>

PROJECT TOTAL **\$ 5,200,000**

The 2018 assessment rate is expected to be \$114.83 for paving and \$23.17 for street lighting per assessable foot. The rate for paving includes sidewalk infill where appropriate.

SOURCE OF ADDITIONAL INFORMATION

For additional information, contact Dan Haak at 266-6084.

SUMMARY AND RECOMMENDATION

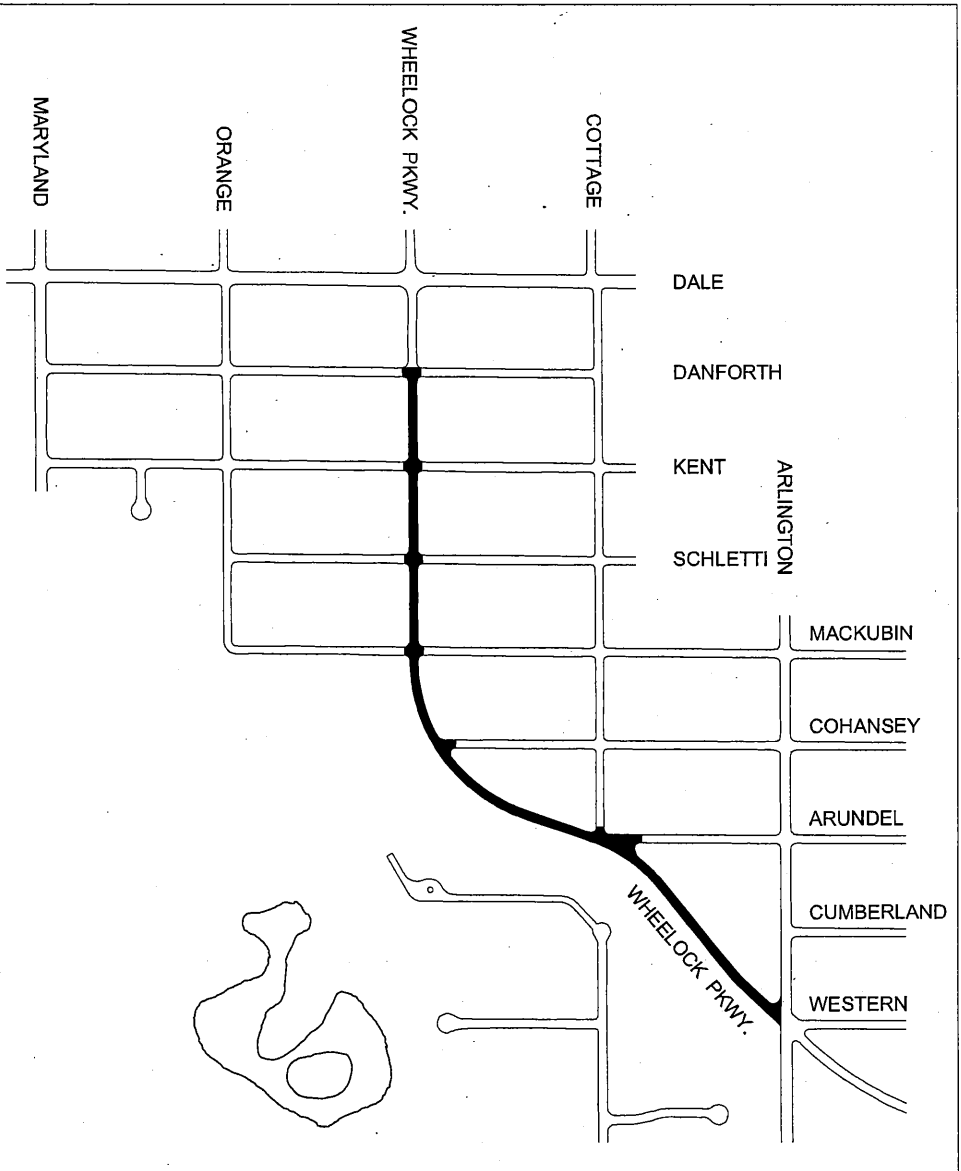
The Department of Public Works feels that this is a necessary and worthwhile project, and the Engineering Recommendation is for approval of the project.

Respectfully submitted,

Dan Haak
Public Works



City of Saint Paul
 Department of Public Works
 Street Engineering and Construction Division




2018

WHEELLOCK PARKWAY RECONSTRUCTION

CONSTRUCTION IN 2018

L = 3240 ft.
 W = 24 ft.
 PROJECT MAP

		DESIGNED CX		PREPARED BY STREET ENGINEERING DIVISION FOR THE CITY OF ST. PAUL, DEPARTMENT OF PUBLIC WORKS		PROJECT: 17-P-1432	
DRAWN CX		APPROVED JPF		WHEELLOCK PARKWAY		STATE AID NA	
						PROJECT NUMBER: NA	
						DATE: 2/7/2017	
						